



### IAFI<sup>1</sup>, WWRF<sup>2</sup>

#### PROPOSAL FOR IMT-2030 WORKSHOP AT THE WP 5D MEETING IN FEB 2027

## 1. Background

The Radiocommunication Sector of the International Telecommunication Union (ITU-R), through Working Party 5D (WP 5D), is responsible for the overall radio system aspects of International Mobile Telecommunications (IMT).

Following the approval of **Recommendation ITU-R M.2160**, which establishes the framework and overall objectives for the future development of IMT for 2030 and beyond (IMT-2030), WP 5D is progressing with studies on **technical performance requirements, evaluation methodologies, and candidate technologies** for IMT-2030.

In this context, WP 5D is expected to organize a **Workshop on IMT-2030** to provide a platform for information exchange and discussion among administrations, industry, academia, and other stakeholders. A similar workshop was also organised<sup>3</sup> by WP 5D during the IMT-2020 development.

## 2. Proposal

It is proposed that WP 5D organises an IMT-2030 workshop as described in the attachment.

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<sup>1</sup> ITU-APT Foundation of India ([IAFI](#)) is a sector member of ITU-R, ITU-D, ITU-T

<sup>2</sup> The Wireless World Research Forum ([WWRF](#)) is a sector member of ITU-R, ITU-D, ITU-T

<sup>3</sup> <https://www.itu.int/en/ITU-R/study-groups/rsg5/rwp5d/imt-2020/Pages/ws-20171004.aspx>

## **Proposal to Organise a WP 5D Workshop on IMT-2030**

### **1. Introduction**

Following the approval of **Recommendation ITU-R M.2160**, which establishes the framework and overall objectives for the future development of IMT for 2030 and beyond (IMT-2030), WP 5D is progressing with studies on **technical performance requirements, evaluation methodologies, and candidate technologies** for IMT-2030.

WP 5D plans to organize a **Workshop on IMT-2030** in 2027, to provide a platform for information exchange and discussion among administrations, industry, academia, and other stakeholders.

### **2. Details of the Proposed workshop**

#### **2.1 Purpose of the Workshop**

The objectives of the workshop are as follows;

- to promote information sharing on IMT-2030;
- to facilitate dialog among ITU-R WP 5D, the possible proponents and the evaluation groups; and in particular
- to provide information on the ITU-R WP 5D process for IMT-2030 standardization including minimum technical performance requirements and evaluation guidelines;
- to invite possible proponents of IMT-2030 RIT/SRIT to present current and future development aspects about IMT-2030 RITs/SRITs; and
- to invite registered independent evaluation groups to present information about their evaluation group and planned actions.

#### **2.2. Scope of the proposed workshop**

The workshop will address, inter alia, the following topics:

##### **2.2.1 IMT-2030 Framework and Usage scenarios**

- Overview of Recommendation ITU-R M.2160 and various usage scenarios
- Immersive communication
- Hyper-reliable and low-latency communication
- Massive connectivity
- Ubiquitous connectivity
- AI and communication integration
- Integrated sensing and communication

##### **2.2.3 Technical Performance Requirements**

- Minimum technical performance requirements (2026 milestone)
- Key performance indicators (KPIs)
- Evaluation methodologies

### 2.2.4 Technology Enablers

- AI-native networks
- Advanced radio interfaces and waveforms
- MIMO evolution and new architectures
- Integration of terrestrial and non-terrestrial networks
- Edge computing and distributed intelligence

### 2.2.5 Spectrum Aspects

- Frequency bands for IMT-2030, including above 100 GHz
- Spectrum sharing and coexistence
- Considerations related to WRC-27 and beyond

### 2.2.6 Standardization and Ecosystem

- IMT-2030 process and timeline
- Collaboration with standards development organizations
- Global and regional 6G initiatives

## 2.3. Date and Venue

**Dates:** February 2027 (exact dates to be confirmed)

**Venue:** Same as WP 5D meeting

**Format:** Hybrid (physical attendance with remote participation)

## 2.4. Participation in the Workshop

The workshop is open to:

- ITU-R Member States
- Sector Members and Associates
- Academia and research institutions
- Standards development organizations
- Industry stakeholders
- Independent Evaluation Groups (IEGs)

Participation is subject to registration via the ITU event registration system. Further details will be provided in due course.

## 2.5. Contributions for the workshop

Participants are invited to submit **informative contributions and presentations** relevant to the workshop topics.

- Contributions should be concise and aligned with the scope of the workshop
- Submission details, deadlines, and templates will be announced separately
- Contributions will be made available on the WP 5D webpage

## **2.6. Preliminary Programme**

### **Session 1 – Opening Session**

- Welcome remarks
- Objectives of the workshop
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### **Session 2 – IMT-2030 development in WP 5D**

By WP 5D SWG chairs

- Introduction to **IMT-2030 Framework**
- Minimum Technical Performance requirements
- Evaluation Methodology report
- Submission and Standardization process (including IPR treatment, consensus building and GCS)
- Q&A Panel Discussion

### **Session 3 – Presentation from 6G Regional programs and Potential RIT/SRIT Proponents**

- 3GPP
  - Regional 6G Programs
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### **Lunch Break**

### **Session 4 – Presentation from IEGs**

Presentations by the registered/potential independent evaluation groups (e.g., structure, organization, future plans, etc.)

### **Session 5 – Panel Discussion**

- “Key success factors for IMT-2030” and Market representatives, Industry Members

### **Closing Session**

- Summary of discussions
- Conclusions and way forward

## **2.6. Expected Outcomes of the workshop**

The workshop is expected to:

- Provide a consolidated view of global IMT-2030 developments
- Identify key challenges and opportunities
- Support ongoing studies within WP 5D
- Facilitate collaboration among stakeholders

## 2.10. Practical Information

Detailed information regarding the following need to be developed and made available on the ITU-R WP 5D IMT-2030 webpage:

- Registration
- Remote participation
- Documentation access
  
- ITU Radiocommunication Sector

## 2.11. Contact Information

Contact information of the ITU-R Study Group 5 Secretariat needs to be provided on the workshop page

International Telecommunication Union  
Radiocommunication Bureau  
Place des Nations  
CH-1211 Geneva 20  
Switzerland

Email: [rsg5@itu.int](mailto:rsg5@itu.int)

## 2.12. References

1. Recommendation ITU-R M.2160 – *Framework and overall objectives of IMT-2030*
2. Report ITU-R M.2516 – *Future Technology Trends*
3. Report ITU-R M.2541 – *Technical feasibility of IMT in bands above 100 GHz*
4. ITU-R WP 5D IMT-2030 webpage
5. Previous ITU-R WP 5D IMT workshops (for structure and approach)